	Application No.	Applicant(s)
	10/086,334	MOTOI ET AL.
Notice of Allowability	Examiner	Art Unit
	Dalei Dong	2879
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT (The Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in or other appropriate comm GHTS. This application is:	n this application. If not included unication will be mailed in due course. THIS
1. \boxtimes This communication is responsive to <u>Amendment filed Augu</u>	ust 24, 2004.	
2. The allowed claim(s) is/are <u>15-18 and 20-22</u> .		
3. The drawings filed on 04 March 2002 are accepted by the E	Examiner.	
4. ☑ Acknowledgment is made of a claim for foreign priority unda a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMETHIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives (a) ☐ including changes required by the Notice of Draftsperson 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail Date DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F	been received. been received in Application uments have been received of this communication to file ENT of this application. Ited. Note the attached EX is reason(s) why the oath of the besubmitted. On's Patent Drawing Review Amendment / Comment of the header according to 37 CF it of BIOLOGICAL MATI	on No In this national stage application from the din this national stage application from the ear reply complying with the requirements AMINER'S AMENDMENT or NOTICE OF redeclaration is deficient. In the Office action of the drawings in the front (not the back) of the drawings in the front (not the back) of the I.121(d). ERIAL must be submitted. Note the
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date	6. ☐ Interview S Paper No 3), 7. ☐ Examiner's	formal Patent Application (PTO-152) ummary (PTO-413), 'Mail Date Amendment/Comment Statement of Reasons for Allowance

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DETAILED ACTION

Allowable Subject Matter

1. Claims 15-18 and 20-22 are allowed.

2. The following is an examiner's statement of reasons for allowance:

Regarding to claim 15, prior art of record taken alone or in combination fails to teach or suggest the first carbon film and a second carbon film are disposed opposition to each other across a gap and wherein the surface of the substrate is concaved at a section within the gap in order to obtain a configuration of a surface conduction electron-emitting device capable of implementing good electron emission characteristics and high-luminance display over a long time and an electron source using the device, and an image-forming apparatus using it.

Regarding to claim 16, prior art of record taken alone or in combination fails to teach or suggest the first carbon film and a second carbon film are disposed opposition to each other across a gap and wherein the surface of the substrate is concaved at a section within the gap in order to obtain a configuration of a surface conduction electron-emitting device capable of implementing good electron emission characteristics and high-luminance display over a long time and an electron source using the device, and an image-forming apparatus using it.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following prior art are cited to further show the state of the art of composition of an electron-emitting device.

- U.S. Patent No. 6,586,872 to Shibata.
- U.S. Patent No. 6,595,820 to Hsu.
- U.S. Patent No. 6,642,649 to Yamamoto.
- U.S. Patent No. 6,680,562 to McGinn.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalei Dong whose telephone number is (571)272-2370. The examiner can normally be reached on 8 A.M. to 5 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar Patel can be reached on (571)272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D.D. September 23, 2004

> Joseph Williams Primary Examiner Art Unit 2879

Joseph William

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